A CONTRACTOR OF STREET

Form PTO-1449

## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. MI40-363

SERIAL NO. 10/696,102

APPLICANT Mark E. Tuttle et al.

FILING DATE

**GROUP** 

## LIST OF ART CITED BY APPLICAN (Use several sheets if necessary) 2687 October 28, 2003 EV85081696 U.S. PATENT DOCUMENTS Subclass Filing Date Document Date Name Class Examiner If Appropriate Initial Number 395 AA 5,055,968 10/91 NISHI ET AL. 361 ΒZ AB AC AD ΑE AF AG ΑH Αl ΑJ FOREIGN PATENT DOCUMENTS Date Clas Subcl Translation Document Country Number ass Yes No ΑK AL AM OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) AN AO ΑP **EXAMINER** DATE CONSIDERED 04/05/2006 /Brian Zimmerman/

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

THE PERSON OF SHIP IN THE PERSON OF THE PERS

ATTY. DOCKET NO. MI40-363 Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Unassigned LIST OF ART CITED BY APPLICANT APPLICANT (Use several sheets if necessary) Mark E. Tuttle et al. FILING DATE GROUP Filed Herewith Unknown U.S. PATENT DOCUMENTS Class Subclass Filing Date Initial Number If Appropriate 4,890,072 12/26/89 ESPE ET AL. BZ AB 5.134.085 07/28/92 GILGEN ET AL. AC 5,175,774 12/29/92 TRUAX ET AL. ΑD 5,272,367 12/21/93 DENNISON ET AL. SNODGRASS ET AL. 11/15/94 ΑE 5,365,551 5,489,546 02/06/96 AHMAD ET AL. AG 5,500,650 03/19/96 SNODGRASS ET AL. AH 5,406,263 04/11/95 TUTTLE AJ 5,323,150 06/21/94 TUTTLE SCHUERMANN AJ 5,374,930 12/20/94 **R**7. 5,461,385 10/24/95 ARMSTRONG FOREIGN PATENT DOCUMENTS Document Class Subclass Translation Country Number Yes No ΑМ AN AO AP OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.) VITTOZ, ERIC, ET AL., "CMOS Analog Integrated Circuits Based on Weak Inversion Operation", IEEE Journal of AR ΒZ Solid State Circuits, Vol. SC-12, No. 3, June 1977 A\$ Mitsubishi Motors Corporation, "Eclipse", Web Page, 1995 RZ. AT TUTTLE, JOHN R., "Digital RF/ID Enhances GPS", Proceedings of the Second Annual Wireless Symposium, pp.406-411, ΒZ February 15-18, 1994, Santa Clara, CA **EXAMINER** DATE CONSIDERED /Brian Zimmerman/ 04/05/2006 \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

The state of the state of the state of

The transfer of the transfer o

							ENT OF COMMERCE RADEMARK OFFICE		ATTY. DOCKET	NO.		SERIAL NO. Unassigned			
	LIST	OF ART CITE	BY APPLI	ICANT		$\Gamma$	APPLICANT Mark E. Tuttle et	t al							
								F	FILING DATE						
						U.S. P#	ATENT DOCUMENTS					Unkno			
*Examiner Initial		Docu Num	cument mber	D	Date		Nama			Class	Sub	bclass		g Date ropriate	
BZ	AA	5,44	48,242	ď	09/05/95	SHARPE I	ET AL.								
	AB	5,42	20,757	0:	05/30/95	EBERHAR	RDT ET AL.	_							
	AC	4,57	72,976	Œ	)2/25/86	FOCKENS	,	_							
	AD	4,72	24,427	C	22/09/88	CARROLL		_							
	AE	4,85	54,328	Of	08/08/89	POLLACK									
	AF	5,30	00,875	ď	04/05/94	TUTTLE		_							
	AG	4,86	52,160	Of	08/29/89	EKCHIAN	ET AL.	_							
	АН	5,47	71,212	1	1/28/95	SHARPE E	ET AL.								
	AJ	4,87	70,419	O.	)9/26/89	BALDWIN	ET AL.						•		
V	AJ	4,88	88,591	17	2/19/89	1/89 LANDT ET AL.									
BZ	AK	4,91	12,471	0:	)3/27/90	TYBURSKI	I ET AL.	_							
		_		_		FOREIGN	PATENT DOCUMENT	TS			_				
1		Docu Numi	cument nber		Date	Country				Class	Subclass	class		slation	
	AL	$\vdash$		+	j						$\vdash$		Yes	No	
	AM	<u> </u>		I				_							
·	AN			brack				_							
	AO			$\Box$				_							
!	AP														
			0	THE	ER REFEREN	ICES (includi	ing Author, Title, Date,	, Per	rtinent Pages, Etc	2.)					
BZ	AR		*Micron Momin	o Re	eport*, The I	idaho Statesr	man, July 16, 1993.								
84		<del> </del>													
	AS	<del></del>	TUTTLE, JOHN	R.,	, "A Low-Por	wer Spread !	Spectrum CMOS RFIC	IC Ic	or Radio Identific	ation Applic	ations'	. Confe	arence		
BZ	1		Proceedings	trom	a RF Expo V	Nest, pp. 210	6-222, March 22-24, 1	199	4. San Jose, C	A					
	AT		FINK ET AL., I	Elect	tronics Engin	neer's Handb	pook - 3 <sup>rd</sup> Ed., Distribu	butec	d Circuits, §100.	p. 8-104, €	1989.				
BZ				_											
EXAMINER			/Rrian 2		merman/	·	DATE CONSIDERE	ED	04/	/05/2006	i				
	*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not												onformance	and not	

the second secon

Form	PTO-1	449			U.S PAT	. DEPARTMENT OF COMMERCE ENT AND TRADEMARK OFFICE	ATTY. DOCKET MI40-363	NO.		SERIAL NO. Unassigned			
			LIST	OF ART CITE	ED BY APPL		APPLICANT Mark E. Tuttle e	t el.					
							FILING DATE Filed Herewith			GROUP Unknown			
U.S. PATENT DOCUMENTS													
*Examiner Document Number					Date	Name		Class	Subcla	dass Filing Date			
BZ		AA	5,00	36,389	02/04/92	HASSETT ET AL				<del></del>			
		AB	5,14	14,314	09/01/92	MALMBERG ET AL.	_		T.				
		AC	5,16	34,985	11/17/92	NYSEN ET AL.							
		AD	5,28	37,112	02/15/94	SCHUERMANN	:						
		AE	4,85	57,893	08/15/89	CARROLL							
		AF	6,13	30,602	10/10/00	OTOOLE ET AL.							
		AG	5,97	70,398	10/19/99	TUTTLE '							
		АН	5,64	19,296	07/15/97	MacLELLAN ET AL.							
		AJ	5,62	21,412	04/15/97	SHARPE ET AL.							
	7	AJ	4,926,182		05/15/90	OHTA ET AL.		ľ					
BZ		AK 4,075,632		02/21/78	02/21/78 BALDWIN ET AL.								
		Τ	T			FOREIGN PATENT DOCUMENT	rs	1					
			Document Number		Date	Country	Country				station		
		AL							<u> </u>	Yes	No		
		АМ											
		AN	_			· · · · · · · · · · · · · · · · · · ·							
		AO	_				·						
		, AP			<u> </u>						<u> </u>		
				0	THER REFEREN	ICES (including Author, Title, Date,	Pertinent Pages, Etc	:.)					
		AR		<u></u>									
		AS											
					,	····							
		AT				<del></del>					-		
EXAM	INER		/Bria	ın Zimmerman	n/	DATE CONSIDER	ED 04	/05/200	)6				
*EXAN	"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												

The state of the s

The second secon

Form PTO-1449 U.S. DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFIC																
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)									APPLICANT Mark E. Tuttle e	atal.						
			•						FILING DATE Filed Herewith							
	U.S. PATENT DOCUMENTS															
*Examiner tnitial				Date Name						Subclass		Filing II Appr	Date ropriate			
BZ	АА	3,96	67,202	l	06/29/76	BATZ										
	AB	4,87	22,990		4/18/89	TAMADA E	ET AL.									
	AC	5,47	79,172	ŀ	2/26/95	SMITH ET	AL.	_						•		
	AD	5,52	21,600	°	5/28/96	McEWAN		_								
	AE	5,52	25,993	0	6/11/96	POBANZ (	POBANZ ET AL.									
	AF	5,60	68,560	0	9/16/97	EVANS ET	Γ AL.									
	AG	4,82	25,220	0	4/25/89	EDWARD										
	АН	5,11	5,119,070		6/02/92	MATSUMO	. ОТС	_								
	Al	5,49	5,495,260		2/27/96	COUTURE								•		
V	AJ	5,53	5,532,707		7/02/96	KLINGER										
BZ	AK	4,47	4,470,047		09/04/85 VOGT				-							
	<del></del>	<del>-</del>		<u> </u>		FOREIGN	PATENT DOCUMEN	πs	<u>.                                    </u>							
		Document Number		Date			Country			Class	Sub	class		slation		
	AL	$\vdash$			<del>                                     </del>			_		ļ	├—	-	Yes	No		
	AM	T						_		<del>                                     </del>	一					
	AN	$\vdash$						_		<del>                                     </del>	$\vdash$	$\dashv$				
	AO															
	AP			_												
				ОТІ	IER REFEREN	ICES (includir	ng Author, Title, Date	э. F	Pertinent Pages, Et	c.)						
	AR									-						
·	1															
	AS									<del></del>			•			
				_										-		
	AT			_							—					
			<del> </del>					_								
EXAMINER			/Brian Zir	<u> </u>	/	1	DATE CONSIDER	1E(		04/05/20	206					
*FYAMMED	i-blat #						- 10 445	_								
*EXAMINER: considered. I	include c	ppy of	this form with n	ext c	er or not cua communication	to applicant.	onformance with MPE	E۲	609; Draw line u	arough citation	on if no	ot in co	onformance e	and not		

i T KK

The state of the s

Form PTO-1449					U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET MI40-363	SERIAL NO. Unassigned				
		LIST	F OF ART CITE		BY APPLI	ICANT		Γ	APPLICANT Mark E. Tuttle et	t al		_		
				_					FILING DATE Filed Herewith			GRO	UP	
						U.S. PATI	ENT DOCUMENTS							
*Examiner Initial			cument mber		Date		Name	_		Class	Sut	bclass	Filing If App	Date ropriate
BZ	AA	4,16	67,010		09/04/79	KERR	KERR							
	AB	5,08	86,290		02/04/92	MURRAY	MURRAY							
<u> </u>	AC	5,62	26,630	Ľ	05/06/97	MARKOWITZ								
	AD	5,43	32,027	Ľ	07/11/95	TUTTLE ET	AL.	_						
	AE	5,49	94,495	Ľ	02/27/96	TUTTLE		_						<u> </u>
	AF	5,48	80,834	Ľ	01/02/96	LAKE ET AL	L.	_	,					
	AG	4,21	15,341	_ر	07/29/80	COLE		_						
	АН	3,15	55,954	L	11/03/64	LARRICK ET	Γ AL.	_						
	Al	5,28	80,643	Ĺ	01/18/94 ISHII				:	•				
	AJ	4,85	56,082	08/08/89 K		KASA	KASA							
	AK	4,99	99,636	03/12/91		LANDT ET A	LANDT ET AL.							
	AL	5,03	30,807	07/09/91		LANDT ET A	AL.	_			<u> </u>			- 77
V	АМ	6,12	22,494	Ĺ	09/19/00	TUTTLE		_						
BZ	AN	6,57	74,454	06/03/03 TUTTLE										
	<del>-</del>	т		_	<del></del>	FOREIGN PA	ATENT DOCUMENTS	rs						
,		Doc:	ument nber	-	Date		Country			Class	Sub	class		station
	<del> </del>	$\vdash$		-		<del> </del>				-	+-		Yes	No
	AO AP	$\top$		7			<del></del>	_			+		<u></u>	
		<del></del>	•	тн	ER REFEREN	NCES (Including	Author, Title, Date, I	P	ertinent Pages, Etc	:.)	<del>!</del>			
	AR							-	_				-	
								_						
	AS							_						
	.							_						
	AT							_	<del></del>	<u>,-</u>				
								_	······					
EXAMINER	/1	Briar	zimmerman/	<del>-</del>			DATE CONSIDERE	ED	04/05	5/2006				
*EXAMINER: considered.	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not												onformance (	and not